ABSTRACT OF THE DISCLOSURE

A method of detecting a type of optical disc according to the rotation speed of a spindle motor loading the optical disc. First, the spindle motor is driven with a signal having a predetermined waveform. Next, the rotation speed of the spindle motor is detected by a Hall sensor and compared with a first predetermined rotation speed and a second predetermined rotation speed. When the detected rotation speed is faster than the first predetermined rotation speed, it is determined that there is no optical disc on the spindle motor, and it is determined that there is a mini-type optical disc on the spindle motor when the detected rotation speed is between the first predetermined rotation speed and the second predetermined rotation speed, and a normal-type optical disc is determined when the detected rotation speed is slower than the second predetermined rotation speed.